

CLAIMS

What is claimed is:

1 1. A method of providing access to an object of
2 a computing environment, said method comprising:

3 requesting access, by a requester, to an
4 object located in an address space of said
5 computing environment, said requester being
6 resident within said address space; and

7 providing access to said object using a
8 local access proxy located within said address
9 space.

1 2. The method of claim 1, wherein use of said
2 local access proxy provides decoupling of one or more
3 object references to said object from management of
4 one or more virtual memory copies of said object.

1 3. The method of claim 1, wherein said
2 requester is one of another object located within
3 said address space and an object request broker.

1 4. The method of claim 1, wherein said
2 providing access comprises driving a method on said
3 object.

1 5. The method of claim 1, further comprising
2 creating said local access proxy.

1 6. The method of claim 5, wherein said creating
2 comprises:

3 determining a type of said object being
4 requested; and

5 obtaining an instance of said local access
6 proxy of said type.

1 7. The method of claim 6, wherein said
2 obtaining comprises using a local proxy factory to
3 provide said instance of said local access proxy.

1 8. The method of claim 6, further comprising
2 providing a pointer of said instance of said local
3 access proxy to said requester, wherein said
4 requester uses said instance of said local access
5 proxy to access said object.

1 9. The method of claim 1, wherein said providing
2 access comprises using, by said local access proxy, a
3 reference to said object to provide access to said
4 object.

1 10. The method of claim 1, wherein use of said
2 local access proxy enables said object to be
3 independent of any object references owned by said
4 requester.

1 11. A system of providing access to an object
2 of a computing environment, said system comprising:

3 means for requesting access, by a
4 requester, to an object located in an address
5 space of said computing environment, said
6 requester being resident within said address
7 space; and

8 means for providing access to said object
9 using a local access proxy located within said
10 address space.

1 12. The system of claim 11, wherein use of said
2 local access proxy provides decoupling of one or more
3 object references to said object from management of
4 one or more virtual memory copies of said object.

1 13. The system of claim 11, wherein said
2 requester is one of another object located within
3 said address space and an object request broker.

1 14. The system of claim 11, wherein said means
2 for providing access comprises means for driving a
3 method on said object.

1 15. The system of claim 11, further comprising
2 means for creating said local access proxy.

1 16. The system of claim 15, wherein said means
2 for creating comprises:

3 means for determining a type of said object
4 being requested; and

5 means for obtaining an instance of said
6 local access proxy of said type.

1 17. The system of claim 16, wherein said means
2 for obtaining comprises means for using a local proxy
3 factory to provide said instance of said local access
4 proxy.

1 18. The system of claim 16, further comprising
2 means for providing a pointer of said instance of
3 said local access proxy to said requester, wherein
4 said requester uses said instance of said local
5 access proxy to access said object.

1 19. The system of claim 11, wherein said means
2 for providing access comprises means for using, by
3 said local access proxy, a reference to said object
4 to provide access to said object.

1 20. The system of claim 11, wherein use of said
2 local access proxy enables said object to be
3 independent of any object references owned by said
4 requester.

1 21. A system of providing access to an object
2 of a computing environment, said system comprising:

3 a requester adapted to request access to an
4 object located in an address space of said
5 computing environment, said requester being
6 resident within said address space; and

7 a local access proxy located within said
8 address space adapted to provide access to said
9 object.

1 22. An article of manufacture, comprising:

2 at least one computer usable medium having
3 computer readable program code means embodied
4 therein for causing the providing of access to
5 an object of a computing environment, the
6 computer readable program code means in said
7 article of manufacture comprising:

8 computer readable program code means
9 for causing a computer to request access,
10 by a requester, to an object located in an
11 address space of said computing
12 environment, said requester being resident
13 within said address space; and

14 computer readable program code means
15 for causing a computer to provide access to
16 said object using a local access proxy
17 located within said address space.

1 23. The article of manufacture of claim 22,
2 wherein use of said local access proxy provides
3 decoupling of one or more object references to said
4 object from management of one or more virtual memory
5 copies of said object.

1 24. The article of manufacture of claim 22,
2 wherein said requester is one of another object
3 located within said address space and an object
4 request broker.

1 25. The article of manufacture of claim 22,
2 wherein said computer readable program code means for
3 causing a computer to provide access comprises
4 computer readable program code means for causing a
5 computer to drive a method on said object.

1 26. The article of manufacture of claim 22,
2 further comprising computer readable program code
3 means for causing a computer to create said local
4 access proxy.

1 27. The article of manufacture of claim 26,
2 wherein said computer readable program code means for
3 causing a computer to create comprises:

4 computer readable program code means for
5 causing a computer to determine a type of said
6 object being requested; and

7 computer readable program code means for
8 causing a computer to obtain an instance of said
9 local access proxy of said type.

1 28. The article of manufacture of claim 27,
2 wherein said computer readable program code means for
3 causing a computer to obtain comprises using a local
4 proxy factory to provide said instance of said local
5 access proxy.

1 29. The article of manufacture of claim 27,
2 further comprising computer readable program code
3 means for causing a computer to provide a pointer of
4 said instance of said local access proxy to said
5 requester, wherein said requester uses said instance
6 of said local access proxy to access said object.

1 30. The article of manufacture of claim 22,
2 wherein said computer readable program code means for
3 causing a computer to provide access comprises using,
4 by said local access proxy, a reference to said
5 object to provide access to said object.

1 31. The article of manufacture of claim 22,
2 wherein use of said local access proxy enables said
3 object to be independent of any object references
4 owned by said requester.

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